

PATENT ASSIGNMENT

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT OF ASSIGNOR'S INTEREST

CONVEYING PARTY DATA

Name: Spalink, Karin

Execution Date: 09/20/2002

Name: Asokan, Ramanathan

Execution Date: 09/20/2002

RECEIVING PARTY DATA

Name: Sony Ericsson Mobile Communications AB

Street Address: Nya Vattentorget 83

Internal Address:

City: Lund

State:

Country: SWEDEN

Postal Code: S-221

PROPERTY NUMBERS

Application Number: 10065063

Number of Properties: 1

The USPTO, Office of Public Records, will send correspondence via facsimile to **FAX NUMBER:** 919.416.8312

CORRESPONDENCE DATA:

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When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

CUSTOMER NUMBER: 024239

NAME OF PERSON SIGNING: Michael G. Johnston

DATE SIGNED: 09/23/2002

Total Attachments: 3

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PATENT

REEL: 013111 FRAME: 0871

ASSIGNMENT

WHEREAS, the undersigned inventor(s), hereinafter called the "Assignor", has invented a new and useful invention entitled:

Method of Searching-by-Number and Device Including a Search-by-Number Feature
for which reference a full description was made in an application for Letters Patent of the United States filed September 13, 2002 as Serial No. 10/065,063.

WHEREAS, SONY ERICSSON MOBILE COMMUNICATIONS AB, a foreign corporation having a principal office and place of business at, Nya Vattentornet, S-221 83 Lund, Sweden, hereinafter called the "Assignee", is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under Letters Patent which may be obtained for said invention, as hereinafter more fully set forth;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in and to the invention and the application herein above identified, and all Letters Patents that may issue for the said invention, and all divisions, reissues, substitutions, continuations, and extensions thereof, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns to the full end of the term for which any and all of said Letters Patents for the said invention may issue.

FURTHER, be it known that the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the Assignee, its successors and assigns, the entire foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

And the Assignor does hereby covenant and agree, for himself and his legal representatives, that they will assist the Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as hereinbefore set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and Trademark Office affecting the invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said

invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal representatives, any facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

IN TESTIMONY WHEREOF, the undersigned has(have) hereunto set his(their) hand(s) and seal(s) on the date after his(their) signature(s).

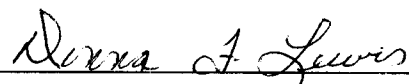
(L.S) 
Karin Spalink

20 Sep 2002
Date

State of NORTH CAROLINA)
County of WAKE)

On this 20th day of Sept., 2002, before me personally appeared Karin Spalink, to me personally known, and known to me to be the person(s) who signed the foregoing assignment, and acknowledged the signing of same as his(their) free act and deed.

{Seal}


Notary Public
My Commission Expires: 1-19-2003

(L.S)

Ramanathan Asokan

Date

9/20/2002

State of NORTH CAROLINA)

County of WAKE)

On this 20th day of Sept., 2002, before me personally appeared Ramanathan Asokan, to me personally known, and known to me to be the person(s) who signed the foregoing assignment, and acknowledged the signing of same as his(their) free act and deed.

{Seal}

Donna I Lewis

Notary Public

My Commission Expires: 1-19-2003